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adjust the second bit rate (R2), the new DCT coefficients  $QF_{new}$ , which are to be conducted to the VLC coder-(22), are determined with reference to macro-blocks, in accordance with the following formula:

*T6250*

$$QF_{new}[v][u] = QF_{old}[v][u] \cdot \frac{qs_{old}}{qs_{new}},$$

where  $qs_{old}$  stands for the old quantization factors, and  $qs_{new}$  for the new ones, and where  $QF_{old}$  stands for the DCT coefficients at the output of the VLD decoder-(12).

2.(Original) The digital transcoder system of claim 1, wherein the value  $QS_{new}$  can be adjusted manually or by a control algorithm .

3.(Original) The digital transcoder system of claim 1, wherein the value of the requantization factor  $qs_{new}$  is determined, with reference to macro-blocks, in accordance with the following requantization formula:

*T6251*

$$qs_{new}[i] = S \cdot \left( (1 - R) \frac{r^{in}}{r^{out}} qs_{old}[i] + R \cdot A \right),$$

where S, A, and R are prescribed correction factors,  $r^{in}$  is the determined bit rate of the received data bit stream (R1), and  $r^{out}$  is the desired output bit rate (R2) of the transcoded data bit stream.

4.(Currently Amended) The digital transcoder system of claim 1 comprising a common stage (40)-with a multiplier-(41), which receives the value  $QF_{old}$  from the variable length VLD

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decoder (42)-and also the quotient  $qs_{old}/qs_{new}$ , and in that the output of the multiplier (41)-is connected, via a float-/integer-stage (42)-to the input of the VLC coder-(22).

5.(Original) The digital transcoder system of claim 4, wherein the value  $qs_{old}$  is determined from the input data stream (R1).

6.(Currently Amended) The digital transcoder system of claim 5, wherein the VLC coder (22)-inserts the unchanged motion data from the input data bit stream (R1) into the transcoded bit stream.

7.(Currently Amended) The digital transcoder system of claim 6, comprising a device (51) for determining a target data quantity (j) per picture or per reference object, and in that this device (51)-is connected to a scene section detection device-(55), which detects scene sections in the picture, and an average value for the requantization factors of a previous picture of the same picture type, and a value for the number of bits that were generated in the transcoding of the immediately preceding picture are inputted as further control variables. {sic}

8.(Original) The digital transcoder system of claim 7, wherein the requantization factor  $qs_{new}$  can also be changed in terms of the number of macro-blocks per received picture and in terms of the picture refresh frequency in the received data bit stream.

9.(Currently Amended) The digital transcoder system of claim 8, comprising a monitoring device (56)-to monitor overflow or underflow of a VBV memory-(57).

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10.(Original) The digital transcoder system of claim 9, wherein the second bit rate (R2) is set constant independent of a variability of the first bit rate (R1).

11.(New) A digital transcoding system for receiving data bit streams with a first bit rate (R1) and outputting a data bit stream with a second bit rate (R2), which differs from the first bit rate (R1) and in particular is reduced relative thereto, comprising on its input side a decoding device, which has an input buffer and a series-connected variable length decoder, also, on its output side, a coding device, which has a series circuit that includes a quantizer for requantizing with a requantization factor the data that have been dequantized in the decoding device, a subsequent VLC coder, and an output buffer, wherein to adjust the second bit rate (R2), the new DCT coefficients  $QF_{new}$ , which are to be conducted to the variable length coder, are determined with reference to macro-blocks.